

APR 19 2002

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Patent and Trademark Office

Docket No. 266/118

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Vincent P. Stanton, Jr., M.D.; Jia Liu Wolfe; Tomohiko Kawate; Charles Allerson; Gregory L. Verdine

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party:

Name: Variagenics, Inc.

Internal Address: _____

City: _____ State: _____ Zip: _____

Street Address: 60 Hampshire St.City: Cambridge State: MA Zip: 02139-1562Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: March 25, 2002; March 27, 2002; March 28, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 10/043,615

B. Patent No(s): _____

Additional numbers attached? ☐ Yes ☒ No

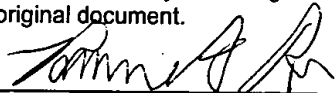
5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bernard F. Rose, Esq.Internal Address: LYON & LYON LLP633 West Fifth Street, Suite 4700
Los Angeles, CA 90071-20666. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed☐ Charge this Deposit Account if any additional fee is required.8. Deposit Account Number: 12-2475

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.



Bernard F. Rose, Reg No. 42,112

Date: April 19, 2002Total number of pages including cover sheet: 8

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **VINCENT P. STANTON, JR., M.D.**, a citizen of the United States of America, **JIA LIU WOLFE, Ph.D.**, a citizen of the United States of America, , **TOMOHIKO KAWATE, Ph.D.**, a citizen of Japan, **CHARLES ALLERSON**, a citizen of the United States of America; and **GREGORY L. VERDINE**, a citizen of the United States of America (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled "**BASE-MODIFIED NUCLEOTIDES AND THEIR USE FOR POLYMORPHISM DETECTION**" for which application for Letters Patent of the United States of America have filed on January 8, 2002, assigned Serial No. 10/043,615; and

WHEREAS, **VARIAGENICS, INC.**, a corporation organized and existing under and by virtue of the laws of the **State of Delaware** and having its place of business at **60 Hampshire Street, Cambridge, Massachusetts, 02139-1562** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or

reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademarks and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

STATE OF MASSACHUSETTS)
COUNTY OF Middlesex) SS

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Ramona A. Hopkins
Notary Public in and for said County and State



WITNESS my hand at Cambridge
Massachusetts, this 25th day of March, 2002.

Jia Liu Wolfe
JIA LIU WOLFE, Ph.D.

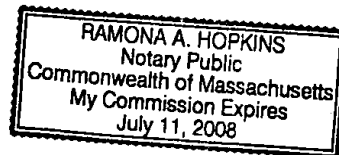
STATE OF MASSACHUSETTS)
COUNTY OF Middlesex) ss

On 03/25/02 before me, Ramona Hopkins
Jia Liu Wolfe Rtt, personally appeared
Jia Liu Wolfe, Ph.D.

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Ramona A. Hopkins
Notary Public in and for said County and
State



WITNESS my hand at Cambridge
Massachusetts, this 25th day of March, 2002.

Tomohiko Kawate
TOMOHIKO KAWATE, Ph.D.

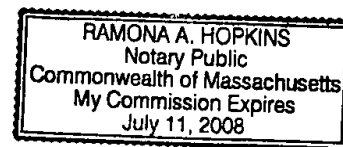
STATE OF MASSACHUSETTS)
) ss
COUNTY OF Middlesex)

On 03/25/02 before me, Ramona Hopkins, personally appeared
Tomohiko Kawate, Ph.D.

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Ramona A. Hopkins
Notary Public in and for said County and
State



WITNESS my hand at Cambridge

Massachusetts, this 25 day of March, 2002.

Charles R. Allerson
CHARLES ALLERSON

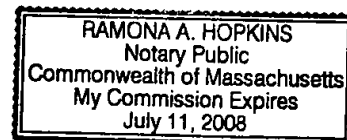
STATE OF MASSACHUSETTS)
COUNTY OF Middlesex) ss

On 03/25/02 before me, Ramona Hopkins, personally appeared
Charles Allerson

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Ramona A. Hopkins
Notary Public in and for said County and
State



WITNESS my hand at Cambridge

Massachusetts, this 28th day of March, 2002.


GREGORY L. VERDINE

STATE OF MASSACHUSETTS)
) ss
COUNTY OF Middlesex)

On 03-28-02 before me, Ramona Hopkins, personally appeared Gregory L. Verdine

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Ramona A. Hopkins
Notary Public in and for said County and State